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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 05:51:47 ON 16 NOV 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 05:52:02 ON 16 NOV 2005

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Nov 11, 2005 (20051111/UP).

=> DIS SAVED

NAME	CREATED	NOTES/TITLE
ACRYLCMPSRCH/L	TEMP	24 L-NUMBERS
ANTIFOULREFS/A	TEMP	61 ANSWERS IN FILE CAPLUS
ANTIFOULS/A	TEMP	172 ANSWERS IN FILE REGISTRY
RAWFNDSCLM1/A	TEMP	16 ANSWERS IN FILE REGISTRY
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=> DIS SAVED/S

NO SAVED SDI REQUESTS

=> ACT ACRYLCMPSRCH/L

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L1      STR
L2      (      3)SEA FILE=REGISTRY SSS SAM L1
L3      (      172)SEA FILE=REGISTRY SSS FUL L1
L4      (      1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "ACRYLIC ACID"/CN
L5      (      1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "METHACRYLIC ACID"/CN
L6      (      61)SEA FILE=CAPLUS ABB=ON  PLU=ON  L3
L7      (      37470)SEA FILE=CAPLUS ABB=ON  PLU=ON  L4
L8      (      22092)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5
L9      (      50837)SEA FILE=CAPLUS ABB=ON  PLU=ON  L7 OR L8
L10     (      1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L9
L11     (      5)SEA FILE=CAPLUS ABB=ON  PLU=ON  ANTIFOUL
L12     (      7993)SEA FILE=CAPLUS ABB=ON  PLU=ON  ANTIFOUL?
L13     (      0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L12 AND L6
L14     (      161591)SEA FILE=CAPLUS ABB=ON  PLU=ON  PRESERV?
L15     (      0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L14
L16     (      1788781)SEA FILE=CAPLUS ABB=ON  PLU=ON  INHIB?
L17     (      11)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L16
L18     (      337722)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?CORROS?
L19     (      2)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L18
L20     (      1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,5-PYRROLIDINEDIONE,
1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-"/CN
L21     (      27)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20
L22     (      4)SEA FILE=CAPLUS ABB=ON  PLU=ON  L16 AND L21
L23     (      1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L9 AND L20

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L24 (2)SEA FILE=CAPLUS ABB=ON PLU=ON L20/PREP

=> FIL CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.06

0.27

FILE 'CAPLUS' ENTERED AT 05:52:33 ON 16 NOV 2005

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FILE COVERS 1907 - 16 Nov 2005 VOL 143 ISS 21

FILE LAST UPDATED: 15 Nov 2005 (20051115/ED)

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<http://www.cas.org/infopolicy.html>

=> ACT ANTIFOULREFS/A

L25 STR

L26 (172)SEA FILE=REGISTRY SSS FUL L25

L27 61 SEA FILE=CAPLUS ABB=ON PLU=ON L26

=> d cost

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

CONNECT CHARGES

0.39

0.54

NETWORK CHARGES

0.06

0.18

FULL ESTIMATED COST

0.45

0.72

IN FILE 'CAPLUS' AT 05:52:49 ON 16 NOV 2005

=> acryl?

L28 443107 ACRYL?

=> l27 and l28

L29 4 L27 AND L28

=> d l29 1-4 ti

L29 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Molecular mechanics and dynamics simulations of various dispersant models on the water surface (001)

L29 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Succinimides and their use as fuel additives

L29 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Photothermographic color imaging process

L29 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Photographic magenta couplers

=> d 129 1-4 ti fbib abs

L29 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Molecular mechanics and dynamics simulations of various dispersant models on the water surface (001)

AN 2003:688462 CAPLUS

DN 139:186187

TI Molecular mechanics and dynamics simulations of various dispersant models on the water surface (001)

AU Wei, Ke-Cheng; Zhou, Han; Wen, Hao; Xu, Wei; Xu, Zhi-Hong

CS Institute of Process Engineering, Chinese Academy of Sciences, Beijing, 100080, Peop. Rep. China

SO Journal of Molecular Modeling (2003), 9(3), 142-152

CODEN: JMMOFK; ISSN: 0948-5023

URL: <http://www.springerlink.com/app.home/contribution.asp?wasp=hpblrjtrtm4cc2nhxnby&referrer=parent&backto=issue,2,9;journal,2,69;linkingpublicationresults,1,1>

PB Springer-Verlag

DT Journal; (online computer file)

LA English

AB Five dispersant-mol. models of succinimide, **acrylate**, imide, phenylsulfonic, and salicyl were used to study their interactions with the water surface (001). The interaction, mol. configuration, charge distribution and radial distribution function (RDF) curve for each of the dispersant mols. were analyzed from the mol. mechanics (MM) and mol. dynamics (MD) simulation results. The system energies, mostly electrostatic and H bond energies, were reduced significantly when the dispersant mols. interacted with the water surface. The hydrophilic group of a dispersant mol. can attach itself to the water surface firmly and reach for a stable energy-minimized configuration, which is helpful to the dispersants' dispersancy. The influence exerted by the hydrophobic group of the dispersant mol., which was the substituted hydrocarbon chain of n-octadecyl in this paper, is discussed in comparison with the naked polar headgroup. Steric configuration, charge distribution and substitute hydrocarbon chain of the dispersant mol. influenced the interaction between dispersants and polar water surface.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L29 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Succinimides and their use as fuel additives

AN 1991:231911 CAPLUS

DN 114:231911

TI Succinimides and their use as fuel additives

IN Malfer, Dennis John

PA Ethyl Petroleum Additives, Inc., USA

SO Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 417990	A1	19910320	EP 1990-309809	19900907
	R: BE, DE, ES, FR, GB, IT				
				US 1989-405222	A 19890911
				US 1989-410902	A 19890922

US 4997456	A	19910305	US 1989-405222	19890911
US 5122616	A	19920616	US 1989-410902	19890922
			US 1989-405222	A2 19890911

PATENT FAMILY INFORMATION:

FAN 1991:250612

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4997456	A	19910305	US 1989-405222	19890911
	US 5122616	A	19920616	US 1989-410902	19890922
				US 1989-405222	A2 19890911
	CA 2024080	AA	19910312	CA 1990-2024080	19900827
				US 1989-405222	A 19890911
				US 1989-410902	A 19890922
	AU 9062256	A1	19910314	AU 1990-62256	19900906
				US 1989-405222	A 19890911
				US 1989-410902	A 19890922
	EP 417990	A1	19910320	EP 1990-309809	19900907
	R: BE, DE, ES, FR, GB, IT				
				US 1989-405222	A 19890911
				US 1989-410902	A 19890922
	JP 03145461	A2	19910620	JP 1990-237263	19900910
				US 1989-405222	A 19890911
				US 1989-410902	A 19890922

AB Succinimides useful as detergents in fuels are prepared by reacting ≥ 1 substituted succinic acid or derivs. containing C16-50 and having a C12-30 **acrylic** aliphatic substituent group, with ≥ 1 C ≥ 4 alkanol polyamine containing a primary amino group. The succinimides are also effective in reducing deposits in carburetors and injectors.

L29 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Photothermographic color imaging process

AN 1985:103657 CAPLUS

DN 102:103657

TI Photothermographic color imaging process

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 32 pp.

CODEN: JKXXAF

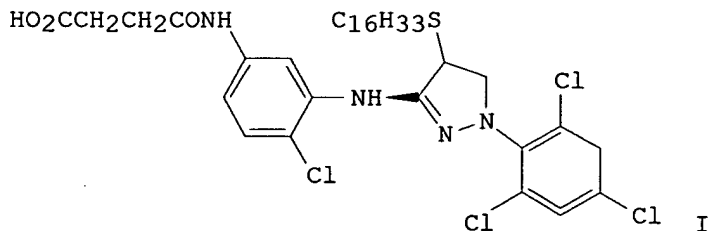
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59174835	A2	19841003	JP 1983-48753	19830325
	JP 02051495	B4	19901107		
	US 5064742	A	19911112	US 1990-504068	19900329
				JP 1983-48753	A 19830325
				US 1984-592203	B1 19840322

GI



AB A photothermog. process is claimed in which a photosensitive sheet containing

Ag halide, a hydrophilic binder, a reducing agent (for Ag halide), and a diffusion-resistant 2-equivalent coupler which forms a diffusible hydrophilic dye is imagewise exposed and developed to form diffusible dye images, and the dye images are transferred onto a dye-mordanting layer at an elevated temperature in the presence of a hydrophilic low m.p. Thus, a polyester film support was coated with a composition containing gelatin and Me acrylate-trimethyl(vinylbenzyl)ammonium chloride copolymer and coated with a high temperature solvent composition containing urea, poly(vinyl alc.), p-C₉H₁₉C₆H₄O(CH₂CH₂O)₈H, and Na dodecylbenzenesulfonate to give a receptor sheet. Sep., another film support was coated with a composition containing Ag(Br,Cl) emulsion, I, guanidine trichloroacetate, 2,6-dichloro-4-aminophenol and p-C₉H₁₉C₆H₄O(CH₂CH₂O)₈H to give a photothermog. film. The film was imagewise exposed, heated at 130°, then contacted with the receptor sheet and heated at 120° to form clear magenta dye images on the receptor.

L29 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Photographic magenta couplers

AN 1974:456613 CAPLUS

DN 81:56613

TI Photographic magenta couplers

IN Yokota, Yukio; Arai, Atsuki; Okumura, Akio; Oishi, Yasushi; Yamada, Minoru; Inouye, Kozo

PA Fuji Photo Film Co., Ltd.

SO Ger. Offen., 61 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2357122	A1	19740522	DE 1973-2357122	19731115
				JP 1972-114445	A 19721115
	JP 49074027	A2	19740717	JP 1972-114445	19721115
	JP 55031460	B4	19800818		
					A
	US 3907571	A	19750923	US 1973-415864	19731113
				JP 1972-114445	A 19721115
	FR 2206529	A1	19740607	FR 1973-40674	19731115
				JP 1972-114445	A 19721115
	GB 1397483	A	19750611	GB 1973-53162	19731115
				JP 1972-114445	A 19721115

AB 3-(Sulfamoylanilino)pyrazolinone derivs., e.g. 3-(2-chloro-4-tetradecylsulfamoylanilino)-1-(2,4,6-trichlorophenyl)-2-pyrazolin-5-one (I), are nondiffusing photog. magenta couplers incorporable into the emulsion according to the oil process and leading, in contrast to common couplers containing RCONH instead of SO₂NH groups, e.g. 1-(2,4,6-trichlorophenyl) - 3 - [3 - [2 - (2,4 - di - tert - pentylphenoxy) acetamido]benzamido]-2-pyrazolin-5-one (II), without formalin (III) stabilization treatment to lightfast color images of long-range heat and humidity stability. Thus, a resin-coated paper was overcoated with a photog. emulsion obtained by mixing a coupler dispersion containing 5 g I, 0.4 g 2,5-di-tert-octylhydroquinone in tricresyl phosphate 7.0, AcOEt 14, and 5:0.10 g gelatin-Na dodecylbenzene-sulfonate solution 50 ml at 60° with 100 g 4.7 + 10⁻² mole Ag(Cl,Br)-containing emulsion and adding a hardener. The resulting photog. material was exposed, developed, bleach-fixed, washed, and treated with a III-free stabilizing bath to give a magenta image leading, at initial d. 1.0, to d. loss 7% after heating for 4 hr at 120° and 0% after storage for 2 weeks at 60° and 75% relative humidity vs. 40% and 19%, resp., for a similarly treated II-containing material.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.67	21.94
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.92	-2.92

FILE 'REGISTRY' ENTERED AT 05:54:20 ON 16 NOV 2005
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STRUCTURE FILE UPDATES: 14 NOV 2005 HIGHEST RN 868046-42-8
DICTIONARY FILE UPDATES: 14 NOV 2005 HIGHEST RN 868046-42-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> e 2,5-Pyrrolidinedione, 1-(2-((2-((2-((2-aminoethyl)amino)ethyl)amino)ethyl)amino)ethyl)-3-(tetradecenyl)-/cn

E1	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-(3-EICOSYL-2,5-DIOXO-1-PYRROLIDINYL)ETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-TETRACOSYL-/CN
E2	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-(3-HEXATRIACONTYL-2,5-DIOXO-1-PYRROLIDINYL)ETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-OCTATRIACONTYL-/CN
E3	0 -->	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-(TETRADECENYL)-/CN
E4	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-/CN
E5	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, 2-ETHYLHEXANOATE/CN
E6	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, ACETATE/CN
E7	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, ACETATE/CN

L)AMINO)ETHYL)AMINO)ETHYL)-, COMPD. WITH BORIC ACID (H3B3O6)
(1:1)/CN

E8	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, DODECANOATE/CN
E9	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, DODECYLBENZENESULFONATE/CN
E10	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, FORMATE/CN
E11	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, HYDROCHLORIDE/CN
E12	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-, MONOPOLYISOBUTENYL DERIVS./CN

=> e 2,5-Pyrrolidinedione,

1-(2-((2-((2-((2-aminoethyl)amino)ethyl)amino)ethyl)amino)ethyl)-3-(tetradecenyl)-/c
n

E1	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-(3-BUTENYL)-, HOMOPOLYMER/CN
E2	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-(ISOOCTADECENYL)-/CN
E3	1 -->	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-(TETRADECENYL)-/CN
E4	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-DODECYL-/CN
E5	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-TETRADECYL-/CN
E6	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-/CN
E7	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3,4-DIOCTYL-/CN
E8	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-DODECYL-/CN
E9	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((6-AMINO-5-NITRO-2-PYRIDINYL)AMINO)ETHYL)AMINO)-4-(2,4-DICHLOROPHENYL)-5-PYRIMIDINYL)-/CN
E10	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((6-AMINO-5-NITRO-2-PYRIDINYL)AMINO)ETHYL)AMINO)-4-(2,4-DICHLOROPHENYL)-5-PYRIMIDINYL)-3-(4-METHYL-1-PIPERAZINYL)-/CN
E11	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((6-AMINO-5-NITRO-2-PYRIDINYL)AMINO)ETHYL)AMINO)-4-(2,4-DICHLOROPHENYL)-5-PYRIMIDINYL)-3-(4-MORPHOLINYL)-/CN
E12	1	2,5-PYRROLIDINEDIONE, 1-(2-((2-((6-AMINO-5-NITRO-2-PYRIDINYL)AMINO)ETHYL)AMINO)-4-(2,4-DICHLOROPHENYL)-5-PYRIMIDINYL)-3-(DIMETHYLAMINO)-/CN

=> e3

L30 1 "2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-3-(TETRADECENYL)-"/CN

=> d 130

L30 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 50857-49-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN **2,5-Pyrrolidinedione, 1-[2-[[2-[[2-[(2-aminoethyl)amino]ethyl]amino]ethyl]amino]ethyl]-3-(tetradecenyl)- (9CI) (CA INDEX NAME)**

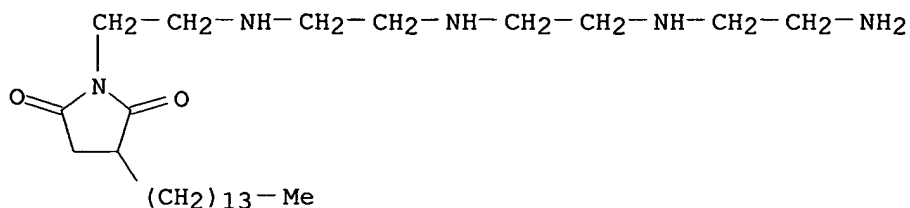
MF C26 H51 N5 O2

CI IDS, COM

CM 1

CRN 50857-48-2

CMF C26 H53 N5 O2



=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.73	29.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 05:55:57 ON 16 NOV 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 05:58:00 ON 16 NOV 2005
FILE 'REGISTRY' ENTERED AT 05:58:00 ON 16 NOV 2005
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.73	29.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

=> d his

(FILE 'HOME' ENTERED AT 05:51:47 ON 16 NOV 2005)

FILE 'STNGUIDE' ENTERED AT 05:52:02 ON 16 NOV 2005
ACT ACRYLCMPSRCH/L

```

L1          STR
L2 (        3)SEA FILE=REGISTRY SSS SAM L1
L3 (      172)SEA FILE=REGISTRY SSS FUL L1
L4 (        1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "ACRYLIC ACID"/CN
L5 (        1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "METHACRYLIC ACID"/CN
L6 (        61)SEA FILE=CAPLUS ABB=ON  PLU=ON  L3
L7 (     37470)SEA FILE=CAPLUS ABB=ON  PLU=ON  L4
L8 (     22092)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5

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L9 (50837)SEA FILE=CAPLUS ABB=ON PLU=ON L7 OR L8
 L10 (1)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L9
 L11 (5)SEA FILE=CAPLUS ABB=ON PLU=ON ANTIFOUL
 L12 (7993)SEA FILE=CAPLUS ABB=ON PLU=ON ANTIFOUL?
 L13 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L12 AND L6
 L14 (161591)SEA FILE=CAPLUS ABB=ON PLU=ON PRESERV?
 L15 (0)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L14
 L16 (1788781)SEA FILE=CAPLUS ABB=ON PLU=ON INHIB?
 L17 (11)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L16
 L18 (337722)SEA FILE=CAPLUS ABB=ON PLU=ON ?CORROS?
 L19 (2)SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L18
 L20 (1)SEA FILE=REGISTRY ABB=ON PLU=ON "2,5-PYRROLIDINEDIONE, 1-(2-(
 L21 (27)SEA FILE=CAPLUS ABB=ON PLU=ON L20
 L22 (4)SEA FILE=CAPLUS ABB=ON PLU=ON L16 AND L21
 L23 (1)SEA FILE=CAPLUS ABB=ON PLU=ON L9 AND L20
 L24 (2)SEA FILE=CAPLUS ABB=ON PLU=ON L20/PREP

FILE 'CAPLUS' ENTERED AT 05:52:33 ON 16 NOV 2005
 ACT ANTIFOULREFS/A

L25 STR
 L26 (172)SEA FILE=REGISTRY SSS FUL L25
 L27 61 SEA FILE=CAPLUS ABB=ON PLU=ON L26
 L28 443107 ACRYL?
 L29 4 L27 AND L28

FILE 'REGISTRY' ENTERED AT 05:54:20 ON 16 NOV 2005
 E 2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-AMINOETHYL)AMINO)ETHYL
 E 2,5-PYRROLIDINEDIONE, 1-(2-((2-((2-AMINOETHYL)AMINO)ETHYL
 L30 1 E3

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.73	29.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'CAPLUS' ENTERED AT 05:58:17 ON 16 NOV 2005
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FILE COVERS 1907 - 16 Nov 2005 VOL 143 ISS 21
 FILE LAST UPDATED: 15 Nov 2005 (20051115/ED)

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http://www.cas.org/infopolicy.html

=> 130

L31 0 L30

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	31.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:01:25 ON 16 NOV 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 06:27:45 ON 16 NOV 2005
FILE 'CAPLUS' ENTERED AT 06:27:45 ON 16 NOV 2005
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	31.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	31.92
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'REGISTRY' ENTERED AT 06:27:55 ON 16 NOV 2005
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 14 NOV 2005 HIGHEST RN 868046-42-8
DICTIONARY FILE UPDATES: 14 NOV 2005 HIGHEST RN 868046-42-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> e Succinimide, N-(2-((2-((2-aminoethyl)amino)ethyl)amino)ethyl)-2-(dodecenyl)-/cn
E1      1      SUCCINIMIDE, N-(2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-2-(DODECENYL)-/CN
E2      1      SUCCINIMIDE, N-(2-((2-((2-(2-PROPYL-1-IMIDAZOLIDINYL)ETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-/CN
E3      1 --> SUCCINIMIDE, N-(2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)AMINO)ETHYL)-2-(DODECENYL)-/CN
E4      1      SUCCINIMIDE, N-(2-((2-(4-((2,6-DICHLORO-4-NITROPHENYL)AZO)-M-TOLUIDINO)ETHYL)SULFONYL)ETHYL)-/CN
E5      1      SUCCINIMIDE, N-(2-((2-(N-ETHYL-4-((6-NITRO-2-BENZOTHAZOLYL)AZO)-M-TOLUIDINO)ETHYL)SULFONYL)ETHYL)-/CN
E6      1      SUCCINIMIDE, N-(2-((2-AMINOETHYL)AMINO)ETHYL)-2-(DODECENYL)-/CN
E7      1      SUCCINIMIDE, N-(2-((2-BROMOETHYL)AMINO)ETHYL)-/CN
E8      1      SUCCINIMIDE, N-(2-((2-BROMOETHYL)AMINO)ETHYL)-, MONOHYDROBRO
MIDE/CN
E9      1      SUCCINIMIDE, N-(2-((2-HYDROXYETHYL)METHYLAMINO)ETHYL)-2-PHEN
YL-2-PROPYL-/CN
E10     1      SUCCINIMIDE, N-(2-((ALLYLOXY)METHOXY)ETHYL)-/CN
E11     1      SUCCINIMIDE, N-(2-((HEPTYLOXY)METHOXY)ETHYL)-/CN
E12     1      SUCCINIMIDE, N-(2-((HEXYLOXY)METHOXY)ETHYL)-/CN
```

=> e3

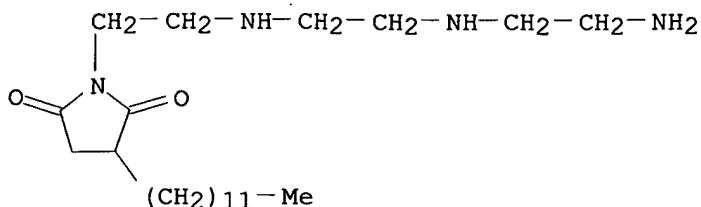
```
L32      1 "SUCCINIMIDE, N-(2-((2-((2-AMINOETHYL)AMINO)ETHYL)AMINO)ETHYL)-2-
-(DODECENYL)-"/CN
```

=> d 132

```
L32 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 32073-10-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Succinimide, N-[2-[[2-[(2-aminoethyl)amino]ethyl]amino]ethyl]-2-
(dodecenyl)-(8CI) (CA INDEX NAME)
MF C22 H42 N4 O2
CI IDS
LC STN Files: CA, CAPLUS
```

CM 1

CRN 47591-85-5
CMF C22 H44 N4 O2



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.87	38.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'CAPLUS' ENTERED AT 06:28:24 ON 16 NOV 2005
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FILE COVERS 1907 - 16 Nov 2005 VOL 143 ISS 21
FILE LAST UPDATED: 15 Nov 2005 (20051115/ED)

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=> l32

L33 1 L32

=> d l33 ti fbib abs

L33 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
TI Ash-free antiflocculant N-aminoalkenylsuccinimides
AN 1971:101425 CAPLUS
DN 74:101425
TI Ash-free antiflocculant N-aminoalkenylsuccinimides
IN Forbes, Eric S.; Reid, Angus J. D.
PA British Petroleum Co. Ltd.
SO Ger. Offen., 9 pp.

CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2040696	A	19710225	DE 1970-2040696	19700817
				GB 1969-41245	A 19690819
	GB 1318874	A	19730531	GB 1969-41245	19690819
					A
	ZA 7005345	A	19710428	ZA 1970-5345	19700803
				GB 1969-41245	A 19690819
	JP 49024064	B4	19740620	JP 1970-70840	19700814
				GB 1969-41245	A 19690819
	NL 7012096	A	19710223	NL 1970-12096	19700817
				GB 1969-41245	A 19690819

PATENT FAMILY INFORMATION:

FAN 1972:48046

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2058902	A5	19710528	FR 1970-30255	19700818
				GB 1969-41245	A 19690819
	GB 1318874	A	19730531	GB 1969-41245	19690819
					A
	ZA 7005345	A	19710428	ZA 1970-5345	19700803
				GB 1969-41245	A 19690819
	JP 49024064	B4	19740620	JP 1970-70840	19700814
				GB 1969-41245	A 19690819
	NL 7012096	A	19710223	NL 1970-12096	19700817
				GB 1969-41245	A 19690819

GI For diagram(s), see printed CA Issue.

AB Oil-soluble N-aminoalkenylsuccinimides (I) (R = C4-15 alkenyl, Y = (CH₂CH₂NH)nCH₂CH₂NH₂ with n = 1-5) of 170-250 total base number (ASTM 0664-58), useful as dispersant-detergent additives for lubricating oils, are prepared from the corresponding succinic acid or anhydride and H₂NY in the presence of excess primary amines, preventing the formation of oil-insol. cyclic products of low total base number. Thus, tech. branched C₁₂H₂₅NH₂ (Primene 81R) and (H₂NCH₂CH₂)₂NH were added to dodecenyl-succinic anhydride in PhMe, the mixture refluxed 1 hr, the solvent evaporated, and the amine recovered to give oily I [R = dodecenyl, Y = (CH₂)₂NH(CH₂)₂NH₂] of 190 mg KOH/g total base number

=> logoff hold

	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	9.65	48.44
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-3.65

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 06:29:17 ON 16 NOV 2005